

INFORMATION DISCLOSURE		ATTY. DOCKET NO.	SERIAL NO.
CITATION		620-379	10/542,281
		APPLICANT	
(Use several sheets if necessary)		FINN et al.	
		FILING DATE	GROUP
		July 15, 2005	unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/SB/	5,834,249	11/1998	Furukawa et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	TRANSLATION			
			CLASS	SUBCLASS	YES	NO
/SB/ WO 99/02510 / 01/1999		WIPO				
	WO 99/24399 / 05/1999	WIPO				
	WO 00/12477 / 03/2000	WIPO				
	WO 00/12478 / 03/2000	WIPO				
	WO 00/37436 / 06/2000	WIPO				
	WO 00/46221 / 08/ 2000	WIPO				
	WO 00/56704 / 09/2000	WIPO				
	WO 00/69819 / 11/2000	WIPO				
	WO 00/69839 / 11/2000	WIPO				
	WO 01/10834 / 02/2001	WIPO				
	WO 01/38322 / 05/2001	WIPO				
	WO 01/44189 / 06/2001	WIPO				
	WO 01/62751 / 08/ 2001	WIPO				
	WO 01/85680 / 11/2001	WIPO				
	WO 01/87870 / 11/2001	WIPO				
	WO 02/22577 / 03/2002	WIPO				
	WO 02/26696 / 04/2002	WIPO				
	WO 02/26703 / 04/2002	WIPO				
	WO 02/28829 / 04/2002	WIPO				
	WO 02/30879 / 04/2002	WIPO				
	EP 0 574 758 / 12/1993	Europe				
	EP 0 827 742 / 03/1998	Europe				
	EP 0 684 240 / 11/1995	Europe				
	JP 10-114681 / 05/1998	Japan				
	JP 57-077646 / 05/1982	Japan				
V	JP 49-000243 / 01/1974	Japan				
	JP 04-217950 / 08/1992	Japan				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

/SB/	Andrews et al., 2000, "Anti-malarial effect of histone deacetylation inhibitors and mammalian tumour cytodifferentiating agents," <u>Int. J. Parasitol.</u> , Vol. 30, No. 6, pp. 761-768.
/SB/	Barta et al., 2000, "Synthesis and activity of selective MMP inhibitors with an aryl backbone," <u>Bioorg. Med. Chem. Lett.</u> , Vol. 10, No. 24, pp. 2815-2817.

*Examiner /Samuel Barts/ Date Considered 11/25/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE

ATTY. DOCKET NO.

SERIAL NO.

CITATION

620-379

10/542,281

APPLICANT

FINN et al.

(Use several sheets if necessary)

FILING DATE

GROUP

July 15, 2005

unknown

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

/SB	Bernhard, D. et al., 1999, "Apoptosis induced by the histone deacetylase inhibitor sodium butyrate in human leukemic lymphoblasts," <u>FASEB J.</u> , Vol. 13, No. 14, pp. 1991-2001.
	Bernstein et al., 2000, "Genomewide studies of histone deacetylase function in yeast," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 97, No. 25, pp. 13708-13713.
	Brehm, A., et al., 1998, "Retinoblastoma protein recruits histone deacetylase to repress transcription," <u>Nature</u> , 1998, Vol. 391, pp. 597-601.
	Chang et al., 2000, "Activation of the BRLF1 promoter and lytic cycle of Epstein-Barr virus by histone acetylation," <u>Nucleic Acids Res.</u> , Vol. 28, No. 20, pp. 3918-3925.
	Dangond et al., 1998, Differential Display Cloning of a Novel Human Histone Deacetylase (HDAC3) cDNA from PHA-Activated Immune Cells," <u>Biochem. Biophys. Res. Commun.</u> , Vol. 242, No. 3, pp. 648-652.
	David, G., et al., 1998, "Histone deacetylase associated with mSin3A mediates repression by the acute promyelocytic leukemia-associated PLZF protein," <u>Oncogene</u> , Vol. 16(19), pp. 2549-2556.
	Davie, J.R., 1998, "Covalent modifications of histones: expression from chromatic templates," <u>Curr. Opin. Genet. Dev.</u> , Vol. 8, pp. 173-178.
	Desai, D., et al., 1999, "Chemopreventive efficacy of suberanilohydroxamic acid (SAHA), a cytodifferentiating agent, against tobacco-specific nitrosamine 4-(methylnitros-amino)-1-(3-pyridyl)-1-butanone (NNK)-induced lung tumorigenesis in female A/J mice," <u>Proceedings of the American Association for Cancer Research, Prevention/Basic Science and Clinical Studies 4</u> , Vol. 40, p. 362, Abstract No. 2396.
	Desmarets, C., et al., 2001, Nickel-catalysed sequential amination of aryl- and heteroaryl di- and trichlorides," <u>Tetrahedron</u> , Vol. 57, pp. 7657-7664.
	Emiliani, S., et al., 1998, "Characterization of a human RPD3 ortholog, HDAC3," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 95, p. 2795-2800.
	Finnin et al., 1999, "Structures of a histone deacetylase homologue bound to the TSA and SAHA inhibitors," <u>Nature</u> , Vol. 401, pp. 188-193.
	Grozinger et al., 1999, "Three proteins define a class of human histone deacetylases related to yeast Hdalp," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 96, pp. 4868-4873.
	Hartwig, J.F., et al., 1999, "Room-Temperature Palladium-Catalyzed Amination of Aryl Bromides and Chlorides and Extended Scope of Aromatic C-N Bond Formation with a Commercial Ligand," <u>J. Org. Chem.</u> , Vol. 64, pp. 5575-5580.
▼	Hoshikawa, Y., et al., 1994, "Trichostatin A Induces Morphological Changes and Gelsolin Expression by Inhibiting Histone Deacetylase in Human Carcinoma Cell Lines," <u>Exp. Cell. Res.</u> , Vol. 214(1), pp. 189-197.

Examiner

/Samuel Barts/

Date Considered

11/25/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE		ATTY. DOCKET NO.	SERIAL NO.
CITATION		620-379	10/542,281
		APPLICANT	
		FINN et al.	
(Use several sheets if necessary)		FILING DATE	GROUP
		July 15, 2005	unknown
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)			
/SB/	Hou et al., 2001, "Binding affinities for a series of selective inhibitors of gelatinase-A using molecular dynamics with a linear interaction energy approach," <u>J. Phys. Chem. B</u> , Vol. 105, No. 22, pp. 5304-5315.		
	Howe, L., et al., 1999, "Histone Acetyltransferase Complexes and Their Link to Transcription," <u>Crit. Rev. Eukaryot. Gene Expr.</u> , Vol. 9(3-4), pp. 231-243.		
	Iavarone et al., 1999, "E2F and Histone Deacetylase Mediate Transforming Growth Factor β Repression of <i>cdc25A</i> during Keratinocyte Cell Cycle Arrest," <u>Mol. Cell Biol.</u> , Vol. 19, No. 1, pp. 916-922.		
	Jung, M., et al., 1999, " <u>Journal of Medicinal Chemistry</u> (ACS, Washington, USA), Vol. 42, No. 22, pp. 4669-4679.		
	Kao et al., 2000, "Isolation of a novel histone deacetylase reveals that class I and class II deacetylases promote SMRT-mediated repression," <u>Genes & Dev.</u> , Vol. 14, p. 55-66.		
	Kijima et al., 1993, "Trapoxin, an Antitumor Cyclic Tetrapeptide, Is an Irreversible Inhibitor of Mammalian Histone Deacetylase*," <u>J. Biol. Chem.</u> , Vol. 268, pp. 22429-22435.		
	Kim et al., 1999, "Oxamflatin is a novel antitumor compound that inhibits mammalian histone deacetylase," <u>Oncogene</u> , Vol. 18(15), pp. 2461-2470.		
	Kim, M.S., et al., 2001 " Histone deacetylases induce angiogenesis by negative regulation of tumour suppressor genes," <u>Nature Medicine</u> , Vol 7, No. 4, pp. 437-443.		
	Kimura et al., 1994, "Dual Modes of Action of Platelet-Derived Growth Factor and Its Inhibition by Trichostatin-A for DNA Synthesis in Primary Cultured Smooth Muscle Cells of Rat Aorta," <u>Biol. Pharm. Bull.</u> , Vol. 17, No. 3, pp. 399-402.		
	Kitamura, K., et al., 2000, "Histone deacetylase inhibitor but not arsenic trioxide differentiates acute promyelocytic leukaemia cells with t(11;17) in combination with all-trans retinoic acid," <u>Br. J. Haematol.</u> , Vol. 108(4), pp. 696-702.		
	Kompis, I, Wick, A., 1977, "Synthesis of 4-halo-substituted analogs of trimethoprim," <u>Helv. Chim. Acta.</u> , Vol. 60, No. 8, pp. 3025-3034.		
	Kouzarides, T., 1999, "Histone acetylases and deacetylases in cell proliferation," <u>Curr. Opin. Genet. Dev.</u> , Vol. 9, No. 1, pp. 40-48.		
	Kuusisto et al., 2001, "Ubiquitin-Binding Protein p62 Expression is Induced during Apoptosis and Proteasomal Inhibition in Neuronal Cells," <u>Biochem. Biophys. Res. Commun.</u> , Vol. 280, No. 1, pp. 223-228.		
	Kwon et al., 1998, "Depudecin induces morphological reversion of transformed fibroblasts via the inhibition of histone deacetylase," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 95, pp. 3356-3361.		
▼	Laherty, C.D., et al., 1997, "Histone Deacetylases Associated with the mSin3 Corepressor Mediate Mad Transcriptional Repression," <u>Cell</u> , Vol. 89(3), pp. 349-356.		

*Examiner

/Samuel Barts/

Date Considered

11/25/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE		ATTY. DOCKET NO.	SERIAL NO.
CITATION		620-379	10/542,281
		APPLICANT	
		FINN et al.	
(Use several sheets if necessary)		FILING DATE	GROUP
		July 15, 2005	unknown

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

/SB/	Lea and Tulsyan, 1995, "Discordant Effects of Butyrate Analogues on Erythroleukemia Cell Proliferation, Differentiation and Histone Deacetylase," <u>Anticancer Res.</u> , Vol. 15, pp. 879-883.
	Lea et al., 1999, "Increased acetylation of histones induced by diallyl disulfide and structurally related molecules," <u>Int. J. Oncol.</u> , Vol. 2, pp. 347-352.
	Lin, R.J., et al., 1998, "Role of the histone deacetylase complex in acute promyelocytic leukaemia," <u>Nature</u> , Vol. 391(6669), pp. 811-814.
	McCaffrey et al., 1997, "Induction of γ -Globin by Histone Deacetylase Inhibitors," <u>Blood</u> , Vol. 90, No. 5, pp. 2075-2083.
	Mielnicki, L.M., et al., 1999, "Epigenetic Regulation of Gelsolin Expression in Human Breast Cancer Cells," <u>Exp. Cell. Res.</u> , Vol. 249(1), pp. 161-176.
	Nakajima et al., 1998, "FR901228, a Potent Antitumor Antibiotic, Is a Novel Histone Deacetylase Inhibitor," <u>Exp. Cell Res.</u> , Vol. 241, pp. 126-133.
	Ng, H.H. and Bird, A., 2000, "Histone deacetylases: silencers for hire," <u>Trends Biochem. Sci.</u> , Vol. 25(3), pp. 121-126.
	Niki et al., 1999, "A Histone Deacetylase Inhibitor, Trichostatin A, Suppresses Myofibroblastic Differentiation of Rat Hepatic Stellate Cells in Primary Culture," <u>Hepatology</u> , Vol. 29, No. 3, pp. 858-867.
	Onishi et al., 1996, "Antibacterial Agents That Inhibit Lipid A Biosynthesis," <u>Science</u> , Vol. 274, pp. 980-982.
	Parrish, C.A., et al., 2001, "Use of Polymer-Supported Dialkylphosphinobiphenyl Ligands for Palladium-Catalyzed Amination and Suzuki Reactions," <u>J. Org. Chem.</u> , Vol. 66, pp. 3820-3827.
	Pazin, M.J., et al., 1997, "What's up and down with histone deacetylation and transcription?," <u>Cell</u> , Vol. 89, No. 3, pp. 325-328.
	Richon et al, 1996, "Second generation hybrid polar compounds are potent inducers of transformed cell differentiation," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 93, pp. 5705-5708.
	Richon et al., 1998, "A class of hybrid poler inducers of transformed cell differentiation inhibits histone deacetylases," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 95, pp. 3003-3007.
	Saito et al., 1999, "A synthetic inhibitor of histone deacetylase, MS-27-275, with marked <i>in vivo</i> antitumor activity against human tumors," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 96, pp. 4592-4597.
▼	Saunders, N. et al, 1999 "Histone deacetylase inhibitors as potential anti-skin cancer agents," <u>Cancer Res.</u> , Vol. 59, No. 2 pp. 399-404.

Examiner /Samuel Barts/ Date Considered 11/25/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE		ATTY. DOCKET NO.	SERIAL NO.
CITATION		620-379 APPLICANT	10/542,281
(Use several sheets if necessary)		FINN et al. FILING DATE	GROUP
		July 15, 2005	unknown
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)			
/SB/	Sonoda, H. et al., 1996, "Oxamflatin: a novel compound which reverses malignant phenotype to normal one via induction of JunD," <u>Oncogene</u> , Vol. 13, pp. 143-149.		
	Spencer, V.A. and Davie, J.R., 1999, "Role of covalent modifications of histones in regulating gene expression," <u>Gene</u> , Vol. 240(1), pp. 1-12.		
	Suzuki et al., 1999, "Synthesis and histone deacetylase inhibitory activity of new benzamide derivatives," <u>J. Med. Chem.</u> , Vol. 42, pp. 3001-3003.		
	Takahashi, I., et al., 1996, "Selective inhibition of IL-2 gene expression by trichostatin A, a potent inhibitor of mammalian histone deacetylase," <u>J. Antibiot. (Tokyo)</u> , Vol. 49, No. 5, pp. 453-457.		
	Taunton, J., et al., 1996, "A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p," <u>Science</u> , Vol. 272, pp. 408-411.		
	Tsuiji et al., 1976, "A New Antifungal Antibiotic, Trichostatin*,," <u>J. Antibiot. (Tokyo)</u> , Vol. 29, No. 1, pp. 1-6.		
	Ueda, H., et al., 1994, "FR901228, a novel antitumor bicyclic depsipeptide produced by <i>Chromobacterium violaceum</i> No. 968," <u>J. Antibiot. (Tokyo)</u> , Vol. 47(3), pp. 315-323.		
	Van den Wyngaert et al., "Cloning and characterization of human histone deacetylase 8," 2000, <u>FEBS</u> , Vol. 478, pp. 77-83.		
	Vigushin et al., 2001, "Trichostatin A Is a Histone Deacetylase Inhibitor with Potent Antitumor Activity against Breast Cancer <i>in vivo</i>)," <u>Clin. Cancer Res.</u> , Vol. 7, No. 4, pp. 971-976.		
	Warrell et al., 1998, "Therapeutic Targeting of Transcription in Acute Promyelocytic Leukemia by Use of an Inhibitor of Histone Deacetylase," <u>J. Natl. Cancer Inst.</u> , Vol. 90, pp. 1621-1625.		
	Wolfe, J.P., et al., 2000, "Scope and Limitations of the Pd/BINAP-Catalyzed Amination of Aryl Bromides," <u>J. Org. Chem.</u> , Vol. 65, pp. 1144-1157.		
	Wolfe, J.P., et al., 2000, "Simple, Efficient Catalyst System for the Palladium-Catalyzed Amination of Aryl Chlorides, Bromides, and Triflates," <u>J. Org. Chem.</u> , Vol. 65, pp. 1158-1174.		
	Wong, J., et al., 1998, "Distinct requirements for chromatin assembly in transcriptional repression by thyroid hormone receptor and histone deacetylase," <u>EMBO J.</u> , Vol. 17(2), pp. 520-534.		
▼	Yang, W.M., et al., 1996, "Transcriptional repression of YY1 is mediated by interaction with a mammalian homolog of the yeast global regulator RPD3," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 93, pp. 12845-12850.		
Examiner		/Samuel Barts/	Date Considered
11/25/2007			

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.
CITATION	620-379	10/542,281
APPLICANT		
FINN et al.		
(Use several sheets if necessary)	FILING DATE	GROUP
	July 15, 2005	unknown

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

*Examiner /Samuel Barts/ Date Considered 11/25/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)